

In the specification:

Pages 4 and 5, replace the last paragraph on page 4 and the first three lines on page 5 with the following new paragraph:

A² Referring to Fig. 1, there is shown a video apparatus comprising a luminance- enhancing digital video signal processing system 4 that embodies the present invention. The processing system 4 is adapted to receive and process video signal inputs derived from a suitable source, e.g., by RF transmission from a remote transmitter, a video recorder, or a video camera. In Fig. 1 the source of the color video signal input is a color television camera 2. By way of example but not limitation, the camera may be a stand alone conventional color television camera or a video camera as incorporated in or coupled to an endoscope or other apparatus. Endoscopes incorporating video cameras are well known and are exemplified by the devices disclosed in U. S. Patents Nos. 4,745, 471 issued to K. Takamura et al.; 4,868,645 issued to K. Kobayashi; 5,577,991 issued to N. Akui et al.; and 5,891,015, issued to F. Strähle. It is to be understood that if the multi-component electrical output signal from the camera is in analog form (which currently is the most common format), it is necessary to subject it to analog-to-digital conversion by means of an A/D converter 3 before applying it to the signal processing system 4.

In the Abstract:

Cancel the Abstract on page 26 and substitute the following new abstract:

ABSTRACT

A³ A method and apparatus for electronically processing video signals representing images of an object or scene so that details of some portion or all of the object or scene are enhanced in the video display reproduction of the images. Video image signals from a video camera are processed to derive digital color-representative signals and a digital luminance signal, and the luminance signal is